

Form PTO-1449 Substitute

Serial Number:

Appn. Filed:

2/23/2004

Applicant:

Edward T. Bullister

Appn. Title:

Multifunctional Portable Computing Device with Special Housing

Examiner:

Group Art Unit: . . . .

U.S. PATENT DOCUMENTS

| Initial | Document Number | Date     | Name             | Class | Subclass | Filing Date |
|---------|-----------------|----------|------------------|-------|----------|-------------|
| OC      | 3622720         | 11/23/71 | Allen            | 200   | 50A      | 8/19/70     |
|         | 3940758         | 2/24/76  | Margolin         | 340   | 337      | 9/20/74     |
|         | 4075702         | 2/21/78  | Davies           | 364   | 705      | 3/12/76     |
|         | 4395704         | 7/26/83  | Kishimoto et al. | 340   | 365      | 9/21/81     |
|         | 4517660         | 5/14/85  | Fushimoto et al. | 364   | 708      | 5/6/83      |
|         | 4597681         | 7/1/86   | Hodges           | 400   | 488      | 12/15/83    |
|         | 4903221         | 2/20/90  | Krenz            | 364   | 708      | 10/20/90    |
|         | 4926365         | 5/15/90  | Hsieh            | 364   | 708      | 8/26/88     |
|         | 4939514         | 7/3/90   | Miyazaki         | 341   | 22       | 12/19/88    |
|         | 5021922         | 6/4/91   | Davis et al.     | 361   | 380      | 11/22/89    |
|         | 5087910         | 2/11/92  | Guyot-Sionnest   | 340   | 711      | 9/14/90     |
|         | 5163765         | 11/17/92 | Levy             | 400   | 492      | 3/4/92      |
|         | 5207127         | 11/30/93 | Pollitt          | 361   | 680      | 10/22/92    |
|         | 5278779         | 1/11/94  | Conway et al.    | 364   | 708.1    | 6/26/92     |
|         | 5187644         | 2/16/93  | Crisan           | 340   | 688      |             |
|         | 5494447         | 2/27/96  | Zaidan           | 439   | 31       | 3/21/95     |
| OC      | 5574481         | 11/12/96 | Lee              | 345   | 168      | 1/31/94     |

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|---------|-----------------|----------|-----------|-------|----------|-------------|
| ✓       | 4264962         | 4/28/81  | Kodaira   | 364   | 707      | ✓           |
|         | 4703160         | 10/27/87 | Narishina | 235   | 1        | ✓           |
|         | 4742478         | 5/3/88   | Nigro     | 364   | 708      | ✓           |
|         | 4796977         | 1/10/89  | Drake     | 350   | 331      | ✓           |
|         | 4799771         | 1/24/89  | Taniguchi | 350   | 334      | ✓           |
|         | 4882471         | 11/21/89 | Kai       | 235   | 1        | ✓           |
|         | 4918632         | 4/17/90  | York      | 364   | 708      | ✓           |
|         | 4959887         | 10/2/90  | Gruenberg | 16    | 223      | ✓           |
|         | 4969830         | 11/13/90 | Daly      | 439   | 136      | ✓           |
|         | 5002184         | 3/26/91  | Lloyd     | 206   | 305      | ✓           |
|         | 5067834         | 11/26/91 | Szmanda   | 400   | 489      | ✓           |
|         | 5103376         | 4/7/72   | Blonder   | 361   | 393      | ✓           |
|         | 5109354         | 4/28/92  | Yamashita | 364   | 708      | ✓           |
|         | 5119078         | 6/2/92   | Grant     | 340   | 711      | ✓           |
|         | 5122876         | 6/16/92  | Aoki      | 358   | 133      | ✓           |
|         | 5196993         | 3/23/93  | Herron    | 361   | 393      | ✓           |
|         | 5233502         | 8/3/93   | Beatty    | 361   | 729      | ✓           |
|         | 5241451         | 8/31/93  | Walburn   | 361   | 785      | ✓           |
|         | 5260885         | 11/9/93  | Ma        | 364   | 708.1    | ✓           |
|         | 5268817         | 12/7/93  | Miyagawa  | 361   | 729      | ✓           |
|         | 5285398         | 2/8/94   | Janik     | 364   | 708.1    | ✓           |
|         | 5295089         | 3/15/94  | Ambasz    | 364   | 708.1    | ✓           |
|         | 5363227         | 11/8/94  | Ichikawa  | 359   | 83       | ✓           |
|         | 5363276         | 11/8/94  | Crockett  | 361   | 752      | ✓           |
|         | 5383138         | 1/17/95  | Motoyama  | 364   | 708.1    | ✓           |
|         | 5410333         | 4/25/95  | Conway    | 345   | 169      | ✓           |
| ✓       | 5410447         | 4/25/95  | Miyagawa  | 361   | 681      | ✓           |

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|---------|-----------------|----------|-----------------|-------|----------|-------------|
| ✓       | 5235495         | 10/10/93 | Blair et al.    | 361   | 680      | 9/21/92     |
|         | 5321579         | 6/14/94  | Brown et al.    | 361   | 681      | 6/5/92      |
|         | 5325984         | 7/5/94   | Ady et al.      | 220   | 342      | 5/21/93     |
|         | 5333116         | 7/26/94  | Hawkins et al.  | 364   | 708.1    | 3/3/93      |
|         | 5335142         | 8/2/94   | Anderson        | 361   | 681      | 12/21/92    |
|         | 5340073         | 8/23/94  | Masakazu        | 248   | 291      | 2/17/93     |
|         | 5345362         | 9/6/94   | Winkler         | 361   | 681      | 4/29/93     |
|         | 5347477         | 9/13/94  | Lee             | 364   | 709      | 3/2/93      |
|         | 5375076         | 12/20/94 | Goodrich et al. | 364   | 708.1    | 9/10/93     |
| ✓       | 5416730         | 5/16/95  | Lookofsky       | 364   | 708.1    | 11/19/93    |

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# FORIECN PATENTS

| Initial | Document Number | Date   | Country  | Class     | Subclass | Translated |
|---------|-----------------|--------|----------|-----------|----------|------------|
| ✓       | 0530829A2       | 4/9/92 | European | G06F 1/16 | —        | Y          |

## OTHER MATERIAL

IBM Technical Disclosure Bulletin Vol 32, No. 10B, March 1990

"Foldable Keyboard" marketing material.

| EXAMINER         | DATE CONSIDERED |
|------------------|-----------------|
| <i>Pam Clark</i> | <i>3/18/06</i>  |

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